

**REMARKS****Sequence Listing**

In accordance with 37 C.F.R. § 1.825, Applicants submit herewith a Substitute Sequence Listing for the above-referenced application. The Substitute Sequence Listing has been filed on compact disks (Copy 1 and Copy 2) in lieu of a paper copy, pursuant to 37 C.F.R. §1.821(c). Copy 1 and Copy 2 are identical. Applicants have also amended the specification to include the Substitute Sequence Listing filed herewith. The specification has also been amended to insert sequence identifiers for two sequences which have been added to the Substitute Sequence Listing. Applicants submit herewith a **“Version with Markings to Show Changes Made,”** which indicates the specific amendments made to the specification.

In addition, Applicants submit herewith a computer-readable form (Compact Disk) of this sequence which is identical in substance to the Substitute Sequence Listing submitted herewith. *No new matter has been added.*

CONCLUSION

If a telephone conversation with Applicants' Attorney would expedite the prosecution of the above-identified application, the Examiner is urged to call the undersigned at (617) 227-7400.

Respectfully submitted,

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Dated: **February 28, 2002**



VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

The Sequence Listing (pages 1-1,536) has been deleted and replaced with the Substitute Sequence Listing, filed herewith on compact disks (Copy 1 and Copy 2).

The paragraph beginning at page 47, line 17 has been amended as follows:

Genomic libraries as described in Example 2 were used for DNA sequencing according to standard methods, in particular by the chain termination method using ABI377 sequencing machines (see *e.g.*, Fleischman, R.D. *et al.* (1995) "Whole-genome Random Sequencing and Assembly of Haemophilus Influenzae Rd., *Science*, 269:496-512). Sequencing primers with the following nucleotide sequences were used: 5'-GGAAACAGTATGACCATG-3' (SEQ ID NO:1,157) or 5'-GTAAAACGACGGCCAGT-3' (SEQ ID NO:1,158).